

M. Projections

Maricopa Association of Governments has compiled projections of coming changes in Maricopa County during the next 40 years. Areas covered are *Demographics, Growth and Development* and *Transportation*.

DEMOGRAPHICS

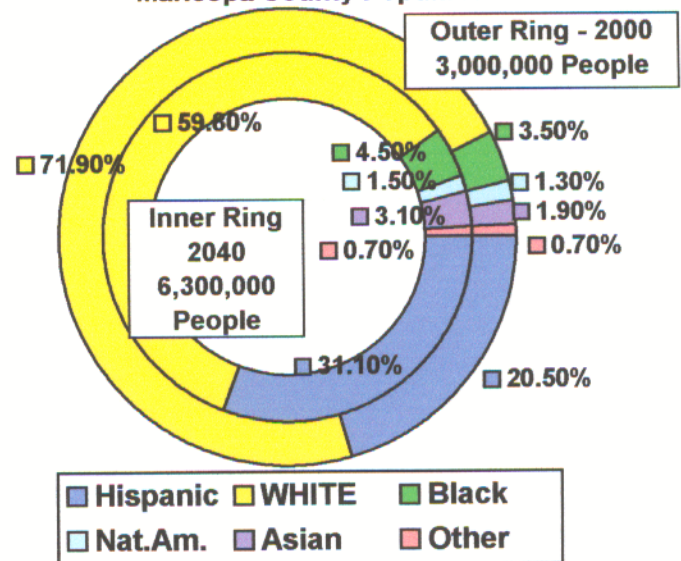
Race & Ethnicity

If these projections turn out to be correct:

- The County population may have more than doubled by 2040 to **6,300,000** people.
- The Hispanic proportion of the county population would be nearing one-third of the total.
- The Asian population will have more than doubled in size.
- Blacks will have increased by less than one percent.
- Anglo population may have decreased in proportion by over 10 percentage points.

Race 2000-2040

Maricopa County Population

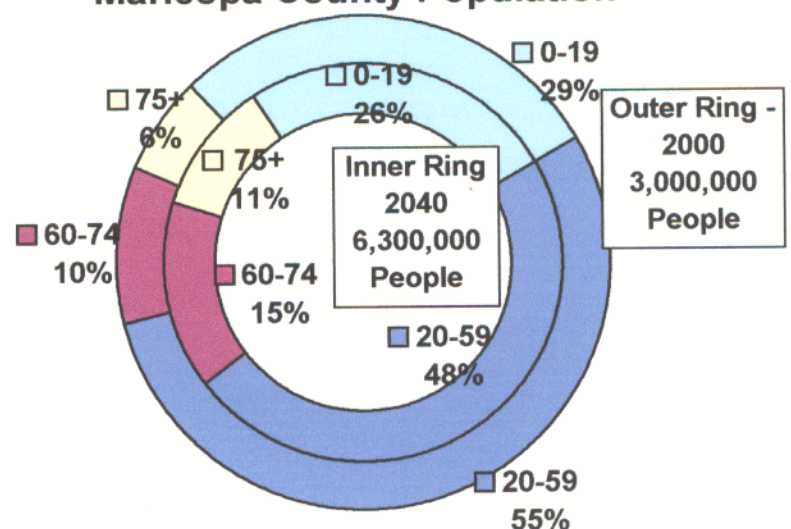


Age Groups

- By 2040, the senior population may have increased to over one-fourth of the County population.
- The mid-range population (20-59) has decreased to less than half.
- The youth population (under age 20) has decreased slightly.

Age Groups 2000-2040

Maricopa County Population



GROWTH AND DEVELOPMENT

100 YEARS TO BUILD OUT: POPULATION OF MARICOPA COUNTY IN 2100 IF PRESENT TRENDS CONTINUE: 13.03 MILLION PEOPLE.

REGIONAL INFRASTRUCTURE COSTS

Schools: \$9 to \$12 billion (see chart on right)

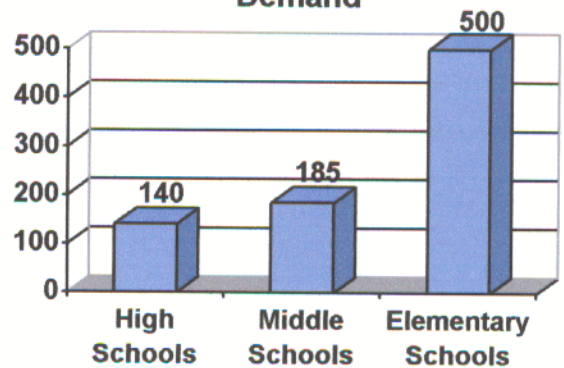
Transportation: \$45 - 50 billion

Water Treatment: \$1 to \$1.5 billion

Wastewater Treatment: \$3 - \$5 billion

Open Space: \$5 to \$13 billion

New Schools needed in Maricopa County by 2040 to meet Enrollment Demand



Development Challenges

- More regional thinking in general plan process
- Continued geographic expansion of metropolitan area likely
- Negative consequences of fringe development
- Costly regional infrastructure
- Loss of open space - urban land doubles at cost of open space
- Regional attributes less attractive (45% of current county residents would move if they could)
- Regional problem-solving more complex and difficult

TRANSPORTATION

Average MPH speeds - Freeways: 35MPH in 2000, **16MPH** in 2040

Average MPH speeds - Arterials: 34MPH in 2000, **12MPH** in 2040

Sky Harbor Passenger Boardings: 19 million in 2000, **58.4 million** in 2040

Funding shortfall for current long range plan: **\$20 billion** by 2040



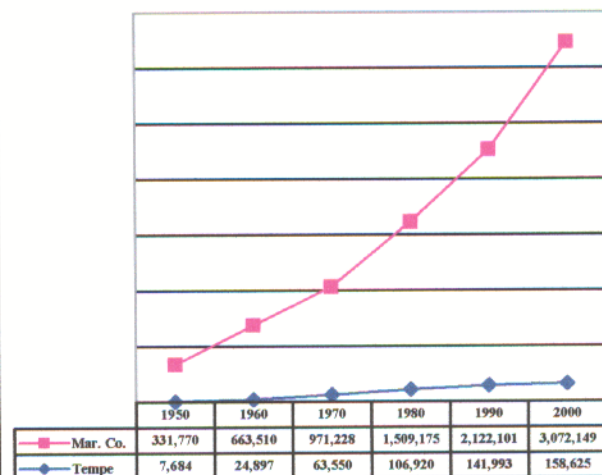
Technology Outlook

- Non-petroleum powered vehicles - hydrogen/other
- Automated guide ways and smart vehicles
- Privatized, fee-based freeways and guide ways
- Real-time, adaptive traffic signal systems
- On-demand urban transit
- High speed ground transportation

TEMPE GROWTH - Tempe's population growth over a 50 year period is shown to the right, compared to Maricopa County as a whole. Tempe grew from a population of 7,684 in 1950 to 158,625 in 2000. Comparatively, Maricopa County's grew from 331,779 to 3,072,149 over that 50 year period.

The Maricopa Association of Governments (MAG) estimates that Tempe will have a total population of 183,466 by 2020. Most of the growth is projected to take place north of Broadway Road. Projected population in 2020 according to Tempe's three Regional Analysis Zones (RAZ) is as follows:

**Population Growth: 1950-2000
Tempe vs. Maricopa County**



North of Broadway (RAZ 288): 72,763
 Between Baseline & Broadway (RAZ 297): 51,326
 South of Baseline (RAZ 308) 59,387

IMPLICATIONS - Because Tempe is "landlocked", it has not and will not experience the explosive growth that other parts of Arizona have had. Nevertheless, the pressures to keep up with such growth, indicated in the MAG projections for Maricopa County, will have their effects on Tempe as well. Human services need to be included in our preparations for the future along with streets and transportation.